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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)

Attorney Docket No.

GTRC55

First Inventor or Application Identifier

SHI, Song-Hua et al.

Title

PROCESS AND MATERIAL FOR LOW-COST FLIP-CHIP SOLDER INTERCONNECT STRUCTURES

Express Mail Label No.

EL597574388US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ \* Specification [Total Pages **23**]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]
4. Oath or Declaration [Total Sheets ]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for a continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.133(b).

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- \*Small Entity
13. ☒ Statement(s) ☐ Statement filed in prior application, Status still proper and desired  
(PTO/SB/09-12)
14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☐ Other: \_\_\_\_\_

\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 60/151,283

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

(Insert Custo

**006980**

PATENT AND TRADEMARK OFFICE

or ☐ Correspondence address below

Name	Todd Deveau			Troutman Sanders LLP	
Address	Bank of America Plaza, Suite 5200				
	600 Peachtree Street N.E.				
City	Atlanta	State	Georgia	Zip Code	30309-3209
Country	US	Telephone	404.885.2761	Fax	404.962.6846

Name (Print/Type)

TODD DEVEAU

Registration No. (Attorney/Agent)

Signature

Date

28 Aug 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

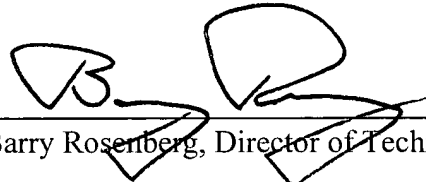
In re application of )  
Song-Hua Shi and Ching-Ping Wong )  
Serial No.: ) Group Art Unit:  
 )  
Filed: ) Examiner:  
 )  
For: Process And Material For Low- )  
Cost Flip-Chip Solder )  
Interconnect Structures )

STATEMENT OF STATUS AS SMALL ENTITY

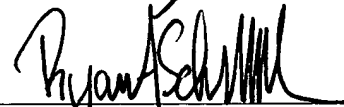
STATE OF GEORGIA )  
 ) SS  
COUNTY OF FULTON )

BARRY ROSENBERG, duly sworn, states that he is Director of Technology Licensing of GEORGIA TECH RESEARCH CORPORATION, empowered to act on behalf of GEORGIA TECH RESEARCH CORPORATION, and avers that GEORGIA TECH RESEARCH CORPORATION qualifies as a non-profit organization in that it is a non-profit scientific organization qualified under the non-profit organization statute of Georgia, and further avers that exclusive rights to the above-identified invention have been conveyed to and remain with GEORGIA TECH RESEARCH CORPORATION.

GEORGIA TECH RESEARCH CORPORATION

  
\_\_\_\_\_  
(L.S)  
Barry Rosenberg, Director of Technology Licensing

Sworn to and subscribed before me this 23 day of March 1999.

  
\_\_\_\_\_  
Notary Public  
My Commission Expires: 18 Sept 99

